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21 [Automatic creation of exercises in adaptive hypermedia learning systems](#)

 Stephan Fischer, Ralf Steinmetz

 May 2000 **HYPERTEXT '00: Proceedings of the eleventh ACM on Hypertext and hypermedia**
Publisher: ACM

 Full text available: (70.28 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 31, Downloads (Overall): 588, Citation Count: 4

Keywords: adaptive hypermedia systems, hypermedia learning, knowledge engineering, sequencing of course material

22 [MPEG-4: an object-based multimedia coding standard supporting mobile applications](#)

 Atul Puri, Alexandros Eleftheriadis

 June 1998 **Mobile Networks and Applications**, Volume 3 Issue 1

Publisher: Kluwer Academic Publishers

 Full text available: (747.80 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)
Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 129, Downloads (Overall): 2042, Citation Count: 9

The ISO MPEG committee, after successful completion of the MPEG-1 and the MPEG-2 standards is currently working on MPEG-4, the third MPEG standard. Originally, MPEG-4 was conceived to be a standard for coding of limited complexity audio-visual scenes ...

23 [Temporal sequence learning and data reduction for anomaly detection](#)

 Terran Lane, Carla E. Brodley

 August 1999 **Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 3

Publisher: ACM

 Full text available: (628.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 32, Downloads (12 Months): 237, Downloads (Overall): 2205, Citation Count: 34

The anomaly-detection problem can be formulated as one of learning to characterize the behaviors of an individual, system, or network in terms of temporal sequences of discrete data. We present an approach on the basis of instance-based learning (IBL) ...

Keywords: anomaly detection, clustering, data reduction, empirical evaluation, instance based learning, machine learning, user profiling

24 Area and performance tradeoffs in floating-point divide and square-root implementations



Peter Soderquist, Miriam Leeser

September 1996 **Computing Surveys (CSUR)** , Volume 28 Issue 3

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (700.72 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 142, Downloads (Overall): 1236, Citation Count: 9

Floating-point divide and square-root operations are essential to many scientific and engineering applications, and are required in all computer systems that support the IEEE floating-point standard. Yet many current microprocessors provide only weak ...

Keywords: FPU, SRT, area and performance tradeoffs, division, floating-point, square root

25 An introduction to data warehousing: what are the implications for the network?

Katherine Jones

February 1998 **International Journal of Network Management** , Volume 8 Issue 1

Publisher: John Wiley & Sons, Inc.

Full text available: Pdf (145.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 19, Downloads (Overall): 2771, Citation Count: 0

Data warehousing is an information systems environment, rather than a product. It has emerged as an essential business entity for sophisticated analysis of data. This article presents a clear overview of the implications of data warehousing for business. ...

26 A static power model for architects



J. Adam Butts, Gurindar S. Sohi

December 2000 **MICRO 33: Proceedings of the 33rd annual ACM/IEEE international symposium on Microarchitecture**

Publisher: ACM

Full text available: Publisher Site , Pdf (136.88 KB), Ps (431.76 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 85, Downloads (Overall): 768, Citation Count: 76

27 Architectural and compiler support for effective instruction prefetching: a cooperative approach



February 2001 **Transactions on Computer Systems (TOCS)** , Volume 19 Issue 1

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (432.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 42, Downloads (Overall): 523, Citation Count: 4

Instruction cache miss latency is becoming an increasingly important performance bottleneck, especially for commercial applications. Although instruction prefetching is an attractive technique for tolerating this latency, we find that existing prefetching ...

Keywords: compiler optimization, instruction prefetching

28 Practicing JUDO: Java under dynamic optimizations



Michał Cierniak, Guei-Yuan Lueh, James M. Stichnoth

August 2000 **PLDI '00: Proceedings of the ACM SIGPLAN 2000 conference on Programming language design and implementation**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (190.06 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 70, Downloads (Overall): 774, Citation Count: 60

A high-performance implementation of a Java Virtual Machine (JVM) consists of efficient implementation of Just-In-Time (JIT) compilation, exception handling, synchronization mechanism, and garbage collection (GC). These components are tightly coupled ...

Also published in:

May 2000 **SIGPLAN Notices** Volume 35 Issue 5

29 XML: not a silver bullet, but a great pipe wrench




Tommie Usdin, Tony Graham

September 1998

StandardView, Volume 6 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (86.79 KB)

Additional Information: [full citation](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 43, Downloads (Overall): 698, Citation Count: 1

30 Balancing cooperation and risk in intrusion detection



Deborah Frincke

February 2000

Transactions on Information and System Security (TISSEC), Volume 3 Issue 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (236.44 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 108, Downloads (Overall): 1223, Citation Count: 8

Early systems for networked intrusion detection (or, more generally, intrusion or misuse management) required either a centralized architecture or a centralized decision-making point, even when the data gathering was distributed. More recently, researchers ...

Keywords: access control models, authorization mechanisms, collaborative systems

31 The structure and value of modularity in software design



Kevin J. Sullivan, William G. Griswold, Yuanfang Cai, Ben Hallen

September 2001

ESEC/FSE-9: Proceedings of the 8th European software engineering conference held jointly with 9th ACM SIGSOFT international symposium on Foundations of software engineering

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (118.13 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 255, Downloads (Overall): 1637, Citation Count: 34

The concept of information hiding modularity is a cornerstone of modern software design thought, but its formulation remains casual and its emphasis on changeability is imperfectly related to the goal of creating added value in a given context. We need ...

Keywords: design structure matrix, modularity, real options, software

Also published in:

September 2001 **SIGSOFT Software Engineering Notes** Volume 26 Issue 5

32 Model-driven development of Web applications: the AutoWeb system




Piero Fraternali, Paolo Paolini

October 2000

Transactions on Information Systems (TOIS), Volume 18 Issue 4

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (6.94 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 389, Downloads (Overall): 4701, Citation Count: 25

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, ...

Keywords: HTML, WWW, application, development, intranet, modeling


33 Secure virtual enclaves: Supporting coalition use of distributed application technologies



May 2001

Transactions on Information and System Security (TISSEC), Volume 4 Issue 2

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (462.10 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 85, Downloads (Overall): 803, Citation Count: 2

The Secure Virtual Enclaves (SVE) collaboration infrastructure allows multiple organizations to share their distributed application objects, while respecting organizational autonomy over local resources. The infrastructure is transparent to applications, ...

Keywords: Access control, coalition, collaborative system, group communication, middleware, security policy

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